# Remote Access

## Parachute

**Technical Assistance and Support Center**
**Division of Customer Support**
**Center for Information Technology**
**National Institutes of Health**

Welcome to Parachute for Macintosh OS 8.x through 9.x. This manual will show you how to configure Macintosh OS 8 or 9 for Parachute remote access, and logon to the NIH Network from off-campus using a high-speed modem and a standard telephone line.

What Is Parachute?

Parachute is just a name we use to describe, in one word, all of the various operating systems' names for their dial-up or remote access networking components.  Parachute is only relevant to analog (standard telephone line) communication (not DSL, cable, wireless, satellite, etc.).

Parachute only gives you a physical connection to the Internet, nothing else.  Once you are connected (dialed & logged in) to Parachute, its job is done.  It is up to some other piece of software to give you the services you require:  a web browser like Netscape to browse Internet web sites, the Chooser to access your home drive, an email program like Outlook to get your email.

Many users have questions or problems that are not caused by Parachute but are about some other function they desire to do while dialed into Parachute.  It is important to note this distinction as it may save you a lot of time & frustration.  Near the end of this document, we will show you how to tell if you are logged into Parachute successfully.

What Do You Get From Parachute?

Before you dial into Parachute, you are probably wondering what you are going to be able to do with it. You are probably going to compare what you can do from the office versus what you can do over Parachute.  Remember, Parachute only gives you a physical connection to the Internet but with that connection, you can do a lot of different things. To put it simply, you can do almost everything your office computer can only slower (provided you have the software installed on your Parachute computer).  Here are some of them:

- o   Use a web browser like Netscape to surf the World Wide Web for web sites
- o   Use the Chooser to connect to your Home drive
- o   Use Outlook to do your email & calendar

**Getting Technical Support**

If you need help configuring your Parachute connection, contact your IC Help Desk or your local computer support staff.

Visit the NIH Remote Access web site at:  http://remoteaccess.nih.gov/ and click on the Parachute link.

## What You Need – The Worksheet

- [1]A Parachute account: _____ & password: _____
- [2]Your network username: _____ & password: _____
- [2]Your IC AppleTalk zone: _____
- [3]A list of your network drives (AppleTalk zone, server name & shared folder name)

| Name | AppleTalk Zone | Server:Folder |
|---|---|---|
| Ex:  PubNet | NIH PubNet | PubNet:Applications |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

- [4] A high speed analog modem - V.90 preferred

Notes:
1. Your NIH Account Sponsor can give you your Parachute account & password.

2. This is the username & password you use to login in the morning at your office computer.  To find your AppleTalk zone, refer to the instructions in the section below entitled "Configuring AppleTalk".

   For users of other operating systems such as Windows or Unix, you may have to contact your IC's Help Desk or computer support staff & ask them to assist you with this.

3. To obtain a list of your network drives, on your office computer, look on its Desktop for the drive icon & click once on it & then choose the Get Info command from the File menu or press Command+I.  The AppleTalk zone, server name & volume name should all be indicated in the resulting window.

4. The modem should have already been installed.

## Configuring the AppleTalk Control Panel

The AppleTalk control panel is used to tell your Macintosh where to look for AppleTalk services.  Choices are usually:  Modem, Printer, Modem/Printer, Ethernet, & Remote Only.

AppleTalk allows you to access file servers & printers via the Chooser.  To configure AppleTalk:

1.  From the Apple menu, select Control Panels.
2.  Select AppleTalk and open the Control Panel (Figure 1).
3.  From the Connect via: popup menu, select **Remote Only**, if available.  If Remote Only is not available, select Printer Port (or Modem/Printer Port if you are using a PowerBook).
4.  If you have an Options button in the lower right of the AppleTalk window, click on it and make sure that it looks like Figure 2 below.  Then click on OK.  If you do not have an Options button, click on the Edit menu (Figure 3) and select User Mode.  From the User Mode screen (Figure 4), click on the Advanced button & click on the OK button.
5.  Close the AppleTalk control panel (from the File menu select Close or Quit) and when you are asked if you want to save the changes, click on the Save button.
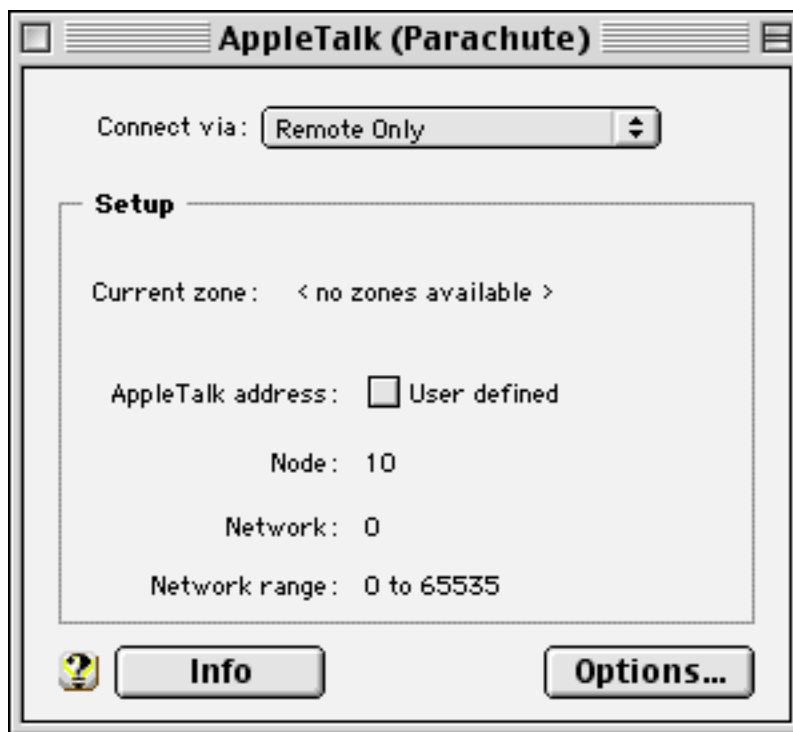
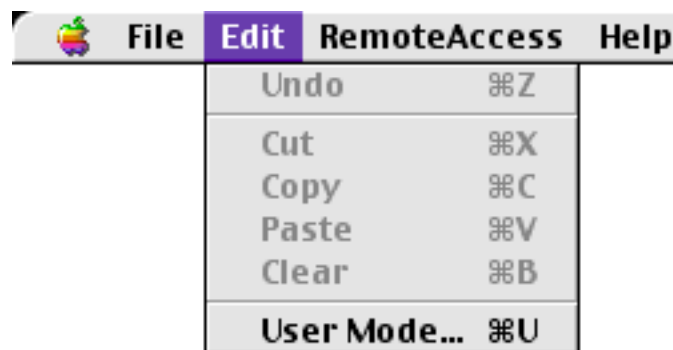Figure 1.  AppleTalk control panel

**Figure 2. AppleTalk Options**

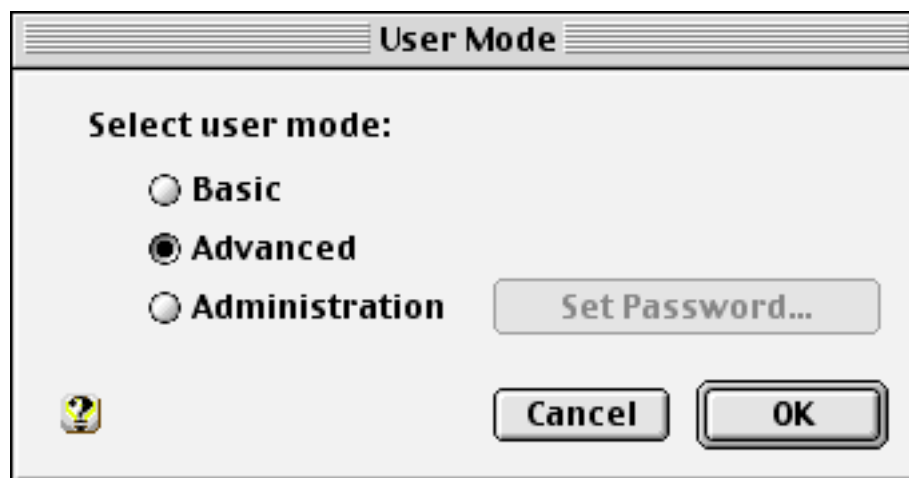**Figure 3. User Mode option from the Edit menu**

**Figure 4. User Mode options**

## Configuring the TCP/IP Control Panel

The TCP/IP Control Panel is used to tell your Macintosh how it should obtain and use the TCP/IP (Transmission Control Protocol/Internet Protocol) services.  TCP/IP gives you access to the Internet so you can use your Web browser, email client (such as Eudora & Outlook) and any other applications and services that require connectivity via TCP/IP (or just simply IP).
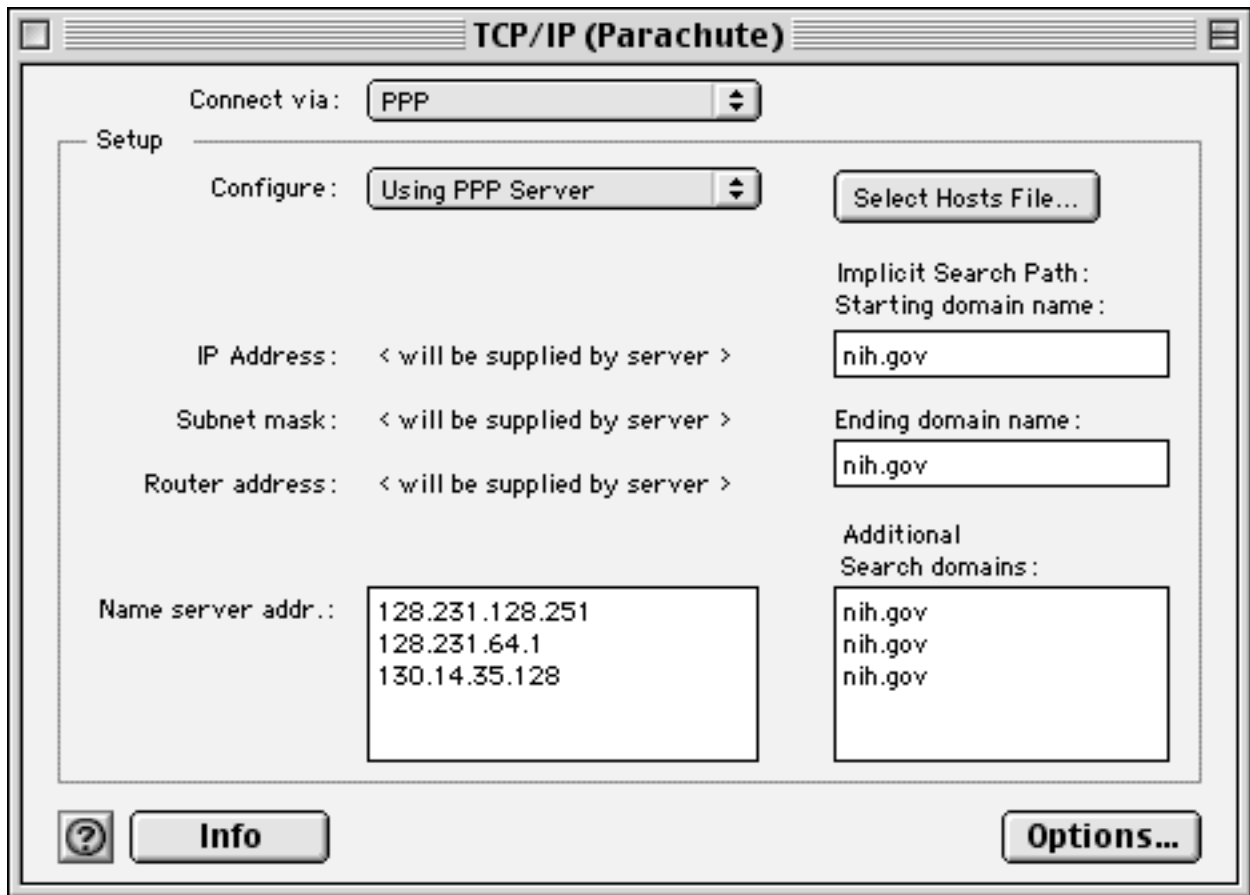


**Figure 5.  TCP/IP control panel**

1.  From the Apple menu, select Control Panels.
2.  Select TCP/IP and open TCP/IP (Figure 5).
3.  Select **PPP** from the Connect via menu.
4.  Select **Using PPP Server** from the Configure menu.
5.  The server will supply the IP Address, Subnet Mask and Router Addresses.
6.  Type in the Name Server Address numbers as listed in Figure 5 (press Return after entering each  address string so that they appear on their own lines as indicated above).
7.  Type in **nih.gov** as shown above in the Additional Search Domains section (press Return after entering each line).
8.  If you have an Options button in the lower right of the TCP/IP window, click on it and make sure that it looks like Figure 6 below.  If you do not have an Options button, click on the Edit menu (Figure 3) and select User Mode.  From the User Mode (Figure 4) screen, click on the Advanced radio button & click on the OK button. Then verify it looks like Figure 6 below. Click OK.
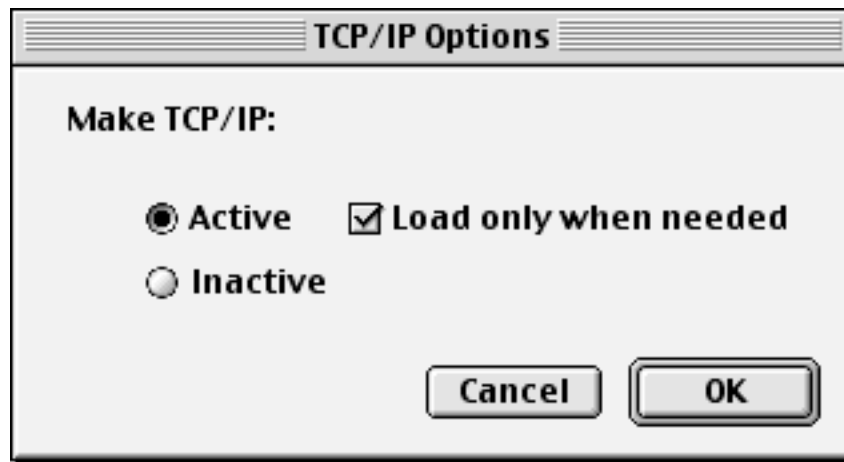9.  Close the TCP/IP control panel and when you are asked if you want to save the changes, click on the Save button.

**Figure 6.  TCP/IP Options dialog**
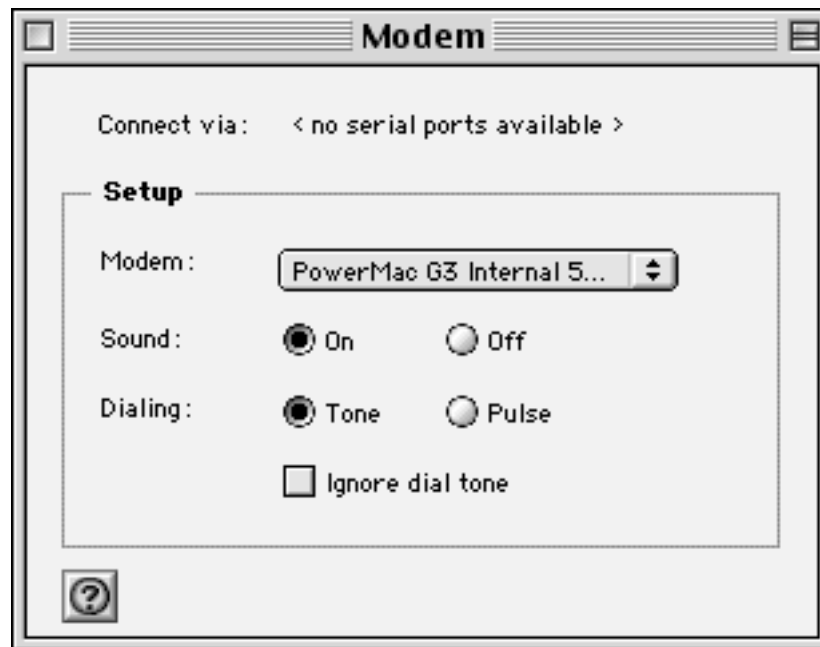
## Configuring the Modem Control Panel



**Figure 7.  Modem control panel**

1. Open the Modem Control Panel.
2. Select the port (Modem, Printer, Modem/Printer, Internal Modem, gPort Serial, etc.) from the Connect via: popup menu.  If you do not have a popup menu, this may because you do not have a modem (like Figure 7) or you have only one choice & it will automatically be selected.
3. Select your modem from the Modem popup menu.  If you do not see your modem listed, check the disks/CD that came with your modem or contact your modem vendor or check their web site to see if they have any Macintosh Modem Scripts for that modem.  If you find a modem script, place it in the Modem Scripts folder (which is in the System Folder's Extension folder) then reopen the Modem Control Panel and select your modem from the Modem popup menu.
4. The Dialing option is usually Tone unless you're in an area that only offers Rotary (Pulse) but this is rare.

5.  The Sound option is up to you.  If it is On then you will hear the modem dial.  If it is Off then you will not hear the modem dial (it will still dial the number, you just won't hear it dial). The Ignore dial tone option is usually not turned on (checked).  This option attempts to dial the number even if there is no dial tone detected.
6.  Close the Modem Control Panel to save the changes.

## Configuring the Remote Access Control Panel

This section is for users who are using the Remote Access or PPP Control Panel to connect to Parachute.

The Remote Access or PPP Control Panel is used by your Macintosh to dialup and make the physical connection to the Parachute server.
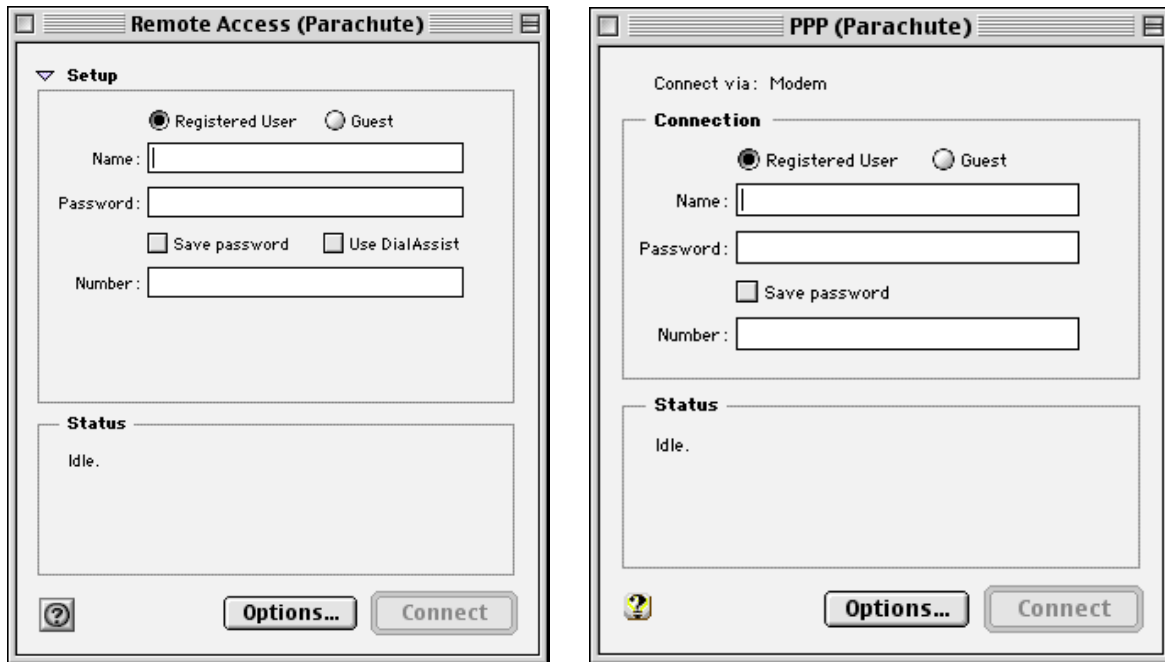


**Figure 8. Remote Access main screen (left). PPP main screen (right).**

1.  From the Apple menu, select Control Panels & click on the Remote Access Control Panel to open it (or use the Control Strip). If you do not see the Name & Password fields (see Figure 8), then click on the little triangle next to Setup to expand the window.
2.  Enter your Parachute userid in the Name field and your Parachute password in the Password field. Parachute accounts are case-sensitive so ensure Caps Lock is off.
3.  Enter the Parachute phone number: **301-402-6830**. If calling your office at NIH is a long distance call for you, dial the 1-800 phone number instead of the local 301 number, enter: **1-800-827-0124**.
4.  Click on the Options button and then click on the **Protocol** tab (Figure 9).
5.  If you have a Use Protocol option with a popup menu (Figure 9), then, select **PPP** from the Use Protocol menu.
6.  Verify that all the check boxes look like Figure 9 below. All the other options in the Connection (Figure 10) & Redialing (Figure 11) tabs are optional and do not require any specific setting.
7.  Click on the OK button and close the Remote Access or PPP Control Panel & when it asks you if you want to save the changes, click on the Save button.
8.  Re-open the Remote Access or PPP Control Panel & click on the Connect button to dial Parachute.
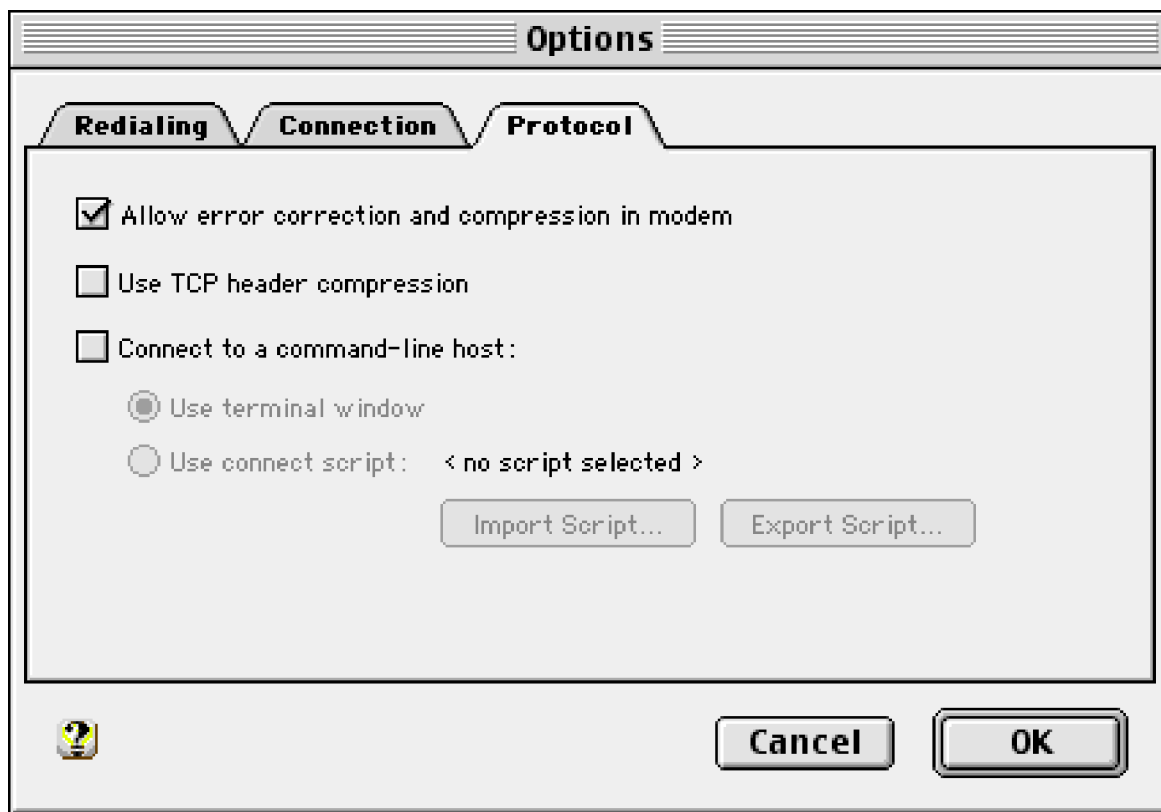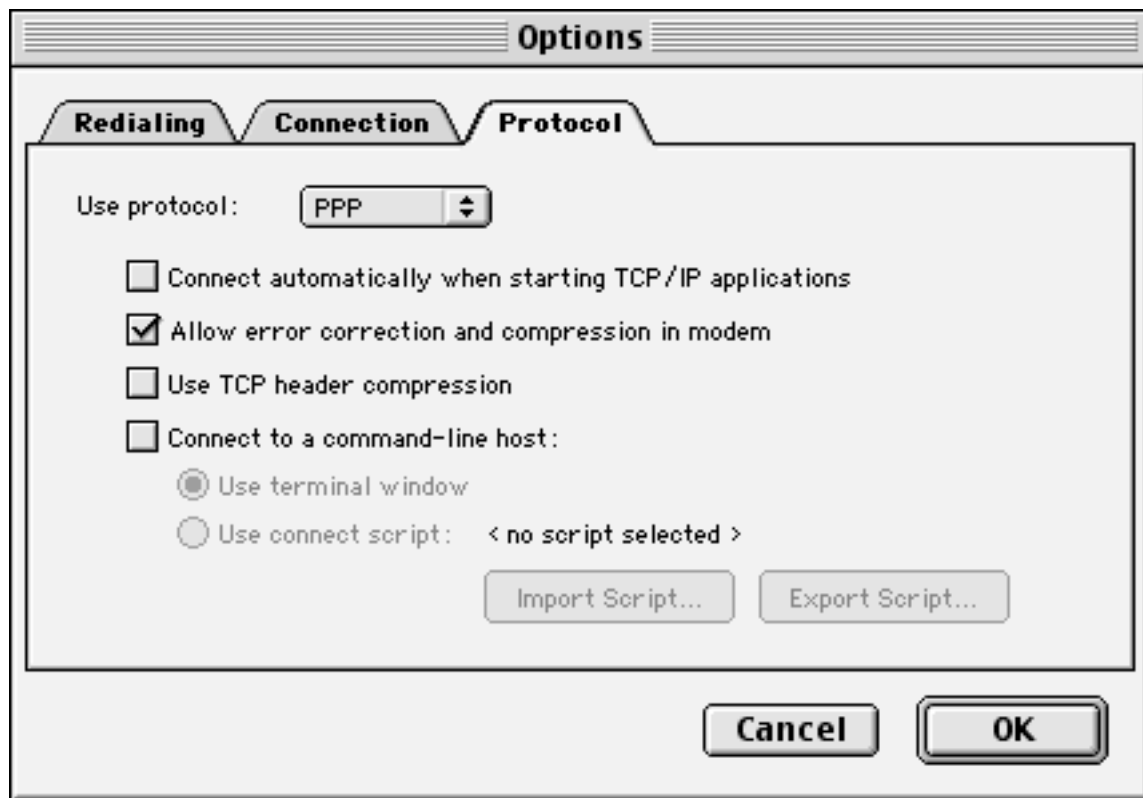
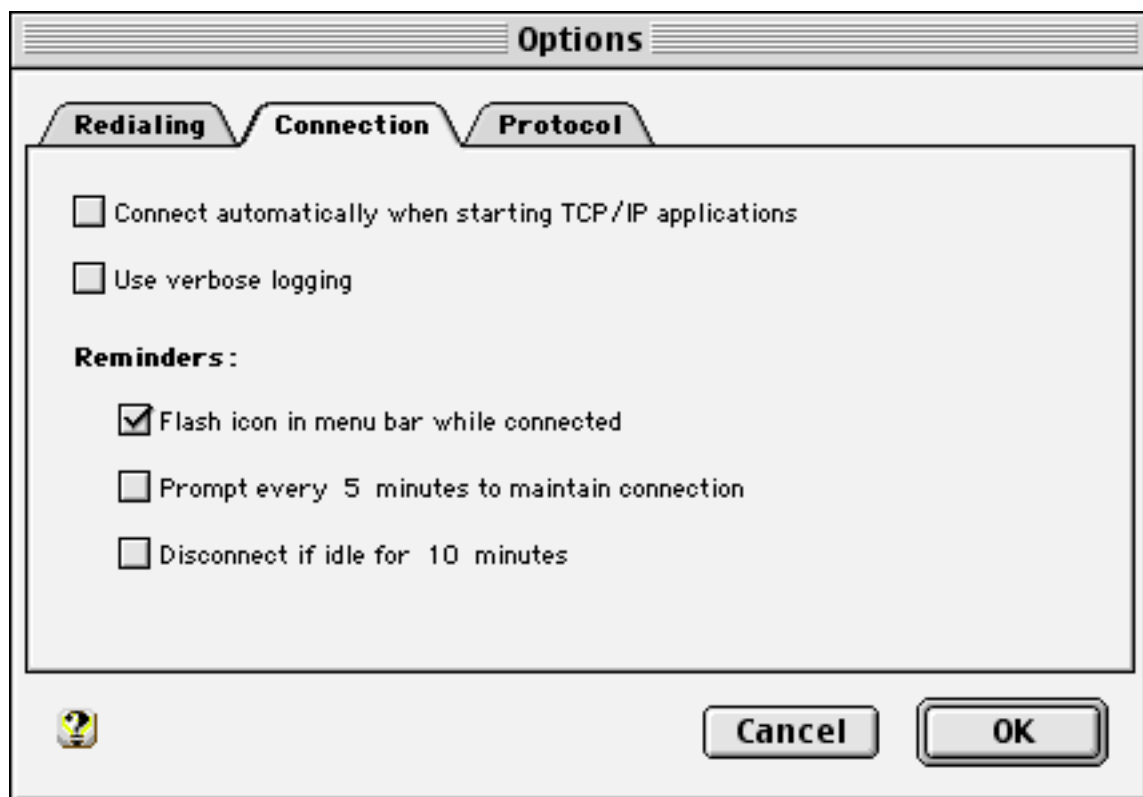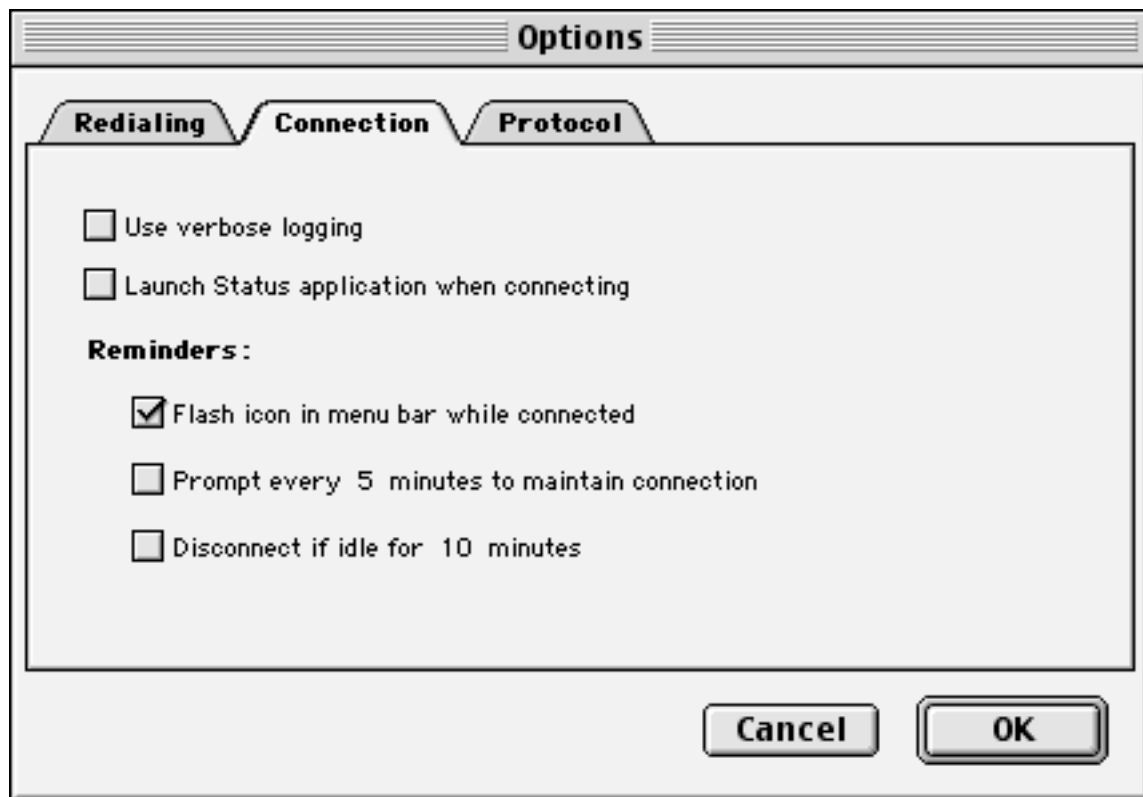**Figure 9. Protocol options screen Remote Access (top) & PPP (bottom)**

**Figure 10. Connection options screen Remote Access (top) & PPP (bottom)**
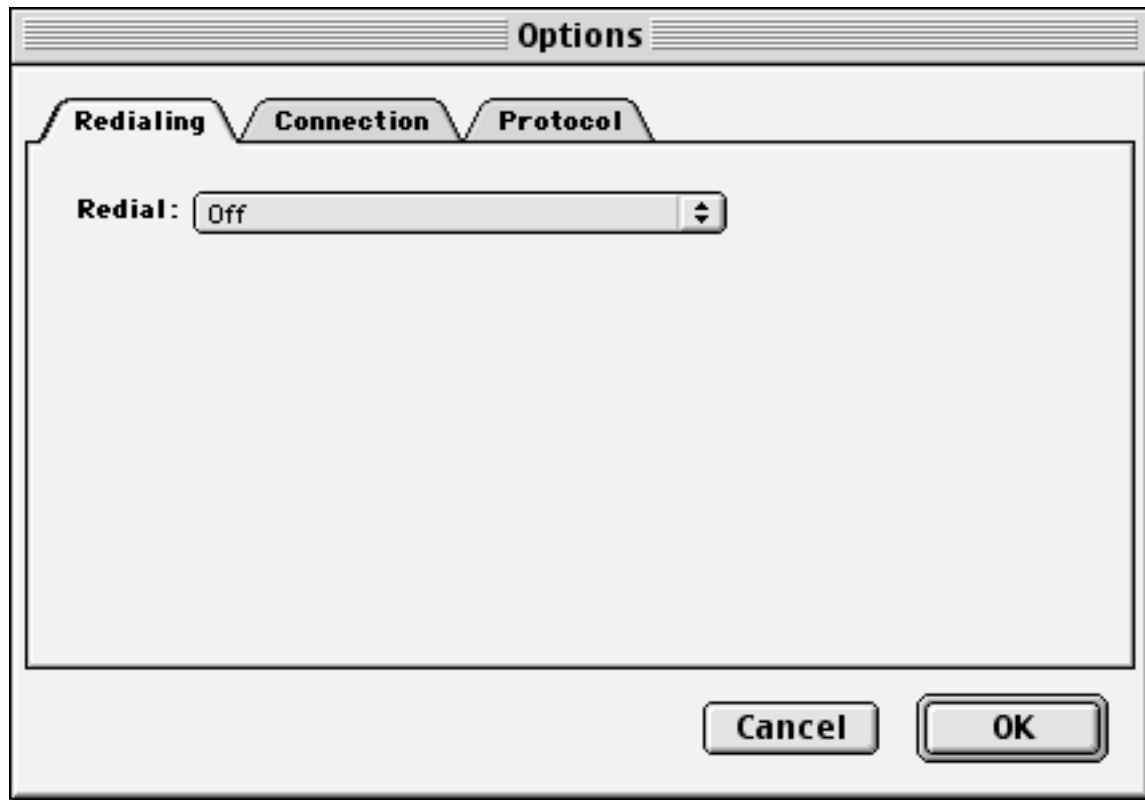
**Figure 11. Redialing options screen (both Remote Access & PPP are the same)**

## Connecting to Parachute

To connect to Parachute, go to the Remote Access control panel (Figure 8 above) and click on the Connect button (the Connect button changes to Disconnect when you are connected to Parachute).

## Disconnecting from Parachute

To disconnect from Parachute, go to the Remote Access control panel (Figure 8 above) and click on the Disconnect button (the Connect button changes to Disconnect when you are connected to Parachute).

## Connecting to a Network File Server

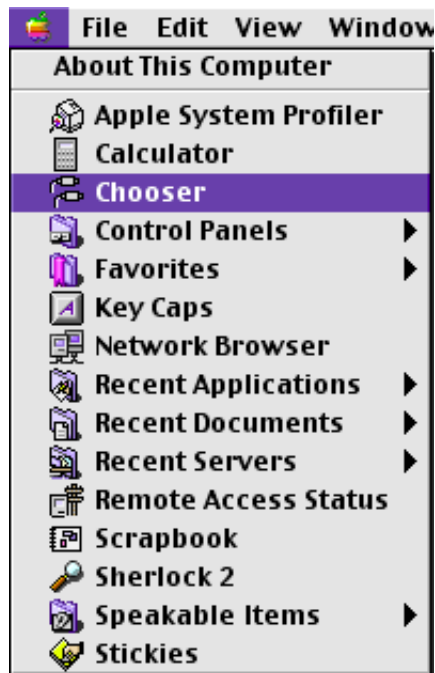1.  From the Apple menu (Figure 12), click on the Chooser.



Figure 12.  Apple Menu – Chooser Selected.

2.  Use your Worksheet.  From the Chooser (Figure 13), click on the AppleShare icon in the upper-left corner.  Click on the AppleTalk zone where your server is located in the lower-left corner.  Click on the server name in the upper-right corner.  Click on the OK button in the lower-right corner.
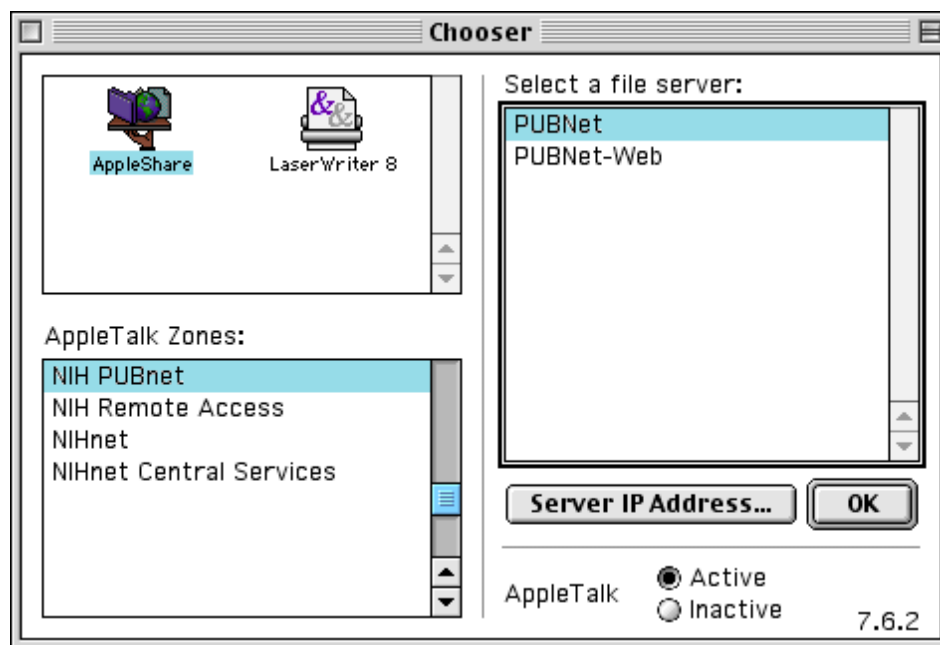


Figure 13.  The Chooser.

3. Next, you will be prompted for your network/server username & password (Figure 14). Use your Worksheet.



Figure 14.  Network Server Login Prompt.

4. From the Server Volume window (Figure 15), select the server drive/volume that you wish to use & click on the OK button.
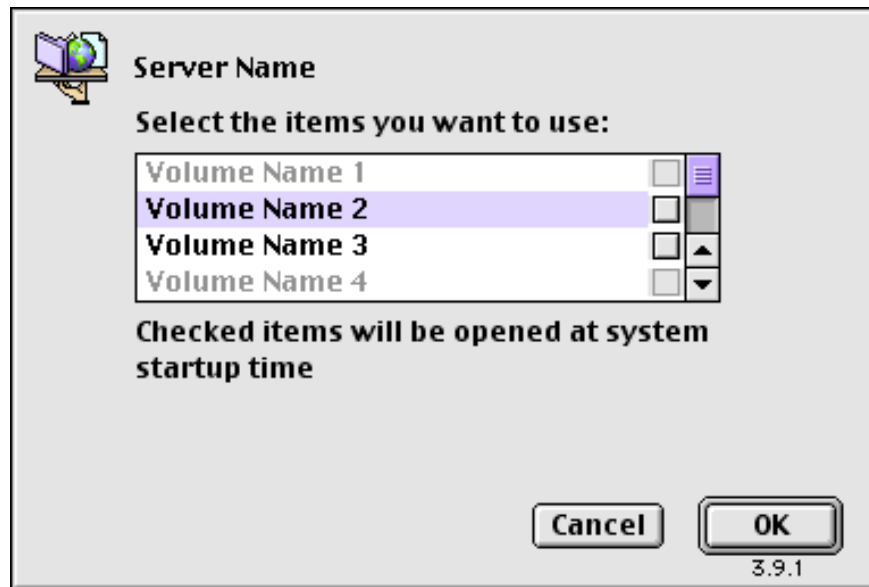


Figure 15.  Select Server Volume window.

5. Congratulations!!  You have now connected to the server & can now use it.  You will see it  on your Desktop (Figure 16).



Figure 16.  Network Server Icon.